



THERMO KING

Athenia AM II Series

Rooftop HVAC System for Coach and Transit



Ingersoll Rand



**A LOW-WEIGHT,
HIGH-PERFORMANCE
ROOFMOUNT SYSTEM!**

- Easy-to-install one-piece design
- IntelligAIRE IIITM microprocessor controller with CANBUS communications
- Designed to fit CNG, hybrid and diesel buses
- Transducers standard
- Motorized water valve standard
- Electronic capacity control standard
- 10% weight reduction
- Welded frame
- Reduced number of potential leak points
- No sealants used in design
- Stiffer construction for improved unit/bus sealing
- 10% more condenser airflow
- 5% more evaporator airflow
- Access all servicable items from inside bus

Introducing the Athenia AM II Series

Featuring an updated design that delivers improved quality and reliability while offering new features and significant enhancements.

*The Rock-Solid Result of over 50 Years
of HVAC Design Experience!*



**ONE PLATFORM FOR
ALL YOUR NEEDS!**



ATHENIA AM II 960

- Base platform with R-134a refrigerant

ATHENIA AM II 1000

- Base platform with R-407c refrigerant

ATHENIA AM II 700

- For articulated trailers and 29'-32' buses

ALSO AVAILABLE:

ATHENIA AM II E-800 ALL-ELECTRIC

- System for hybrid, trolley and battery buses

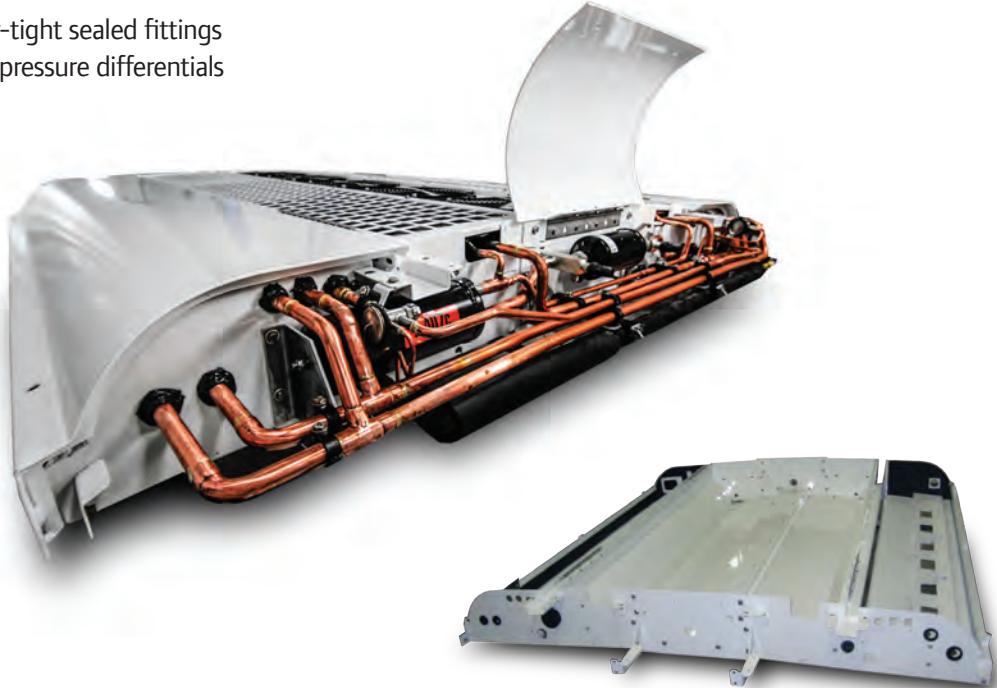
ATHENIA AM II EA-800 ALL-ELECTRIC WITH:

- Exclusive alternator/inverter power for standard diesel and CNG-powered buses

USING WHAT WE KNOW TO MAKE

WATER TIGHT DESIGN

- Harness interface points use water-tight sealed fittings
- No water ingress due to high/low pressure differentials
- One piece welded frame
- No rivets or sealant



NEW SIDE-ACCESS COVERS

- Gull wing doors eliminate prop rods
- Improved latching, sealing, access and aesthetics



WHAT YOU NEED A REALITY.

NEW ELECTRONIC CAPACITY CONTROL

- Capacity can be reduced when not needed for fuel savings on cooler days
- Improved temperature balance on Arctic buses so capacity can be shifted from unit to unit as needed



NEW MOTORIZED WATER VALVE

- Improved temperature control in re-heat and heating modes
- Eliminates water hammer



UNIT CONTROLS IN CONDITIONED AIR SPACE

- Improved environmental protection
- Improved access and servicability



MORE STANDARD FEATURES THAN EVER!

Why pay for more than you want. Thermo King provides standard features designed to meet your needs.

INTELLIGAIRE III™ CONTROL SYSTEM

- Expanded CAN communications capability
- Plugs directly into J1939 network to make more info available
- Eliminates the gateway module required between bus & unit controllers
- Eliminates need for expansion modules external to controller where multiple zones must be controlled independently



HIGH PERFORMANCE R-407C OR R-134A

- Environmentally safe alternatives with zero ODP



THE THERMO KING X430 COMPRESSOR

- Engineered exclusively for transport applications
- Built for extended service life
- Field repairable



ELECTRONIC CAPACITY CONTROL

- Capacity can be reduced when not needed for fuel savings on cooler days
- Improved temperature balance on Arctic buses so capacity can be shifted from unit to unit as needed



MOTORIZED WATER VALVE

- Improved temperature control in re-heat and heating modes
- Eliminates water hammer



OPTIONAL FEATURES INCLUDE:

Take control of your operating costs with these cost-saving options available only from Thermo King.

INTELLIGAIRE III™ ELECTRONIC PRESSURE DISPLAY MODULE



- Touchpad displays four different pressure readings
- Simplifies problem diagnosis and pre-trip inspections

S391/S616 SCREW COMPRESSORS



- Exclusive oil management system for increased reliability
- Fewer moving parts than reciprocating compressors
- Lower noise levels and vibration than reciprocating compressors
- Programmable capacity control for fuel savings

LONG LIFE BRUSHLESS MOTORS



- Integral electronics
- 10% greater airflow
- Maintenance-free
- Programmable variable speed
- 40,000-hour bearings

OTHER AVAILABLE OPTIONS

- Return Air Grille
- Damper-Controlled Fresh Air Module



Ingersoll Rand's Climate Solutions sector delivers energy-efficient HVACR solutions for customers globally. Its world class brands include Thermo King, the leader in transport temperature control and Trane, a provider of energy efficient heating, ventilating and air conditioning systems, building and contracting services, parts support and advanced controls for commercial buildings and homes.

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